

**Commonwealth of Kentucky  
Division for Air Quality**

**PERMIT APPLICATION SUMMARY FORM**

Completed by: Daniel Hall

GENERAL INFORMATION:

Name:	Owensboro Riverport Authority
Address:	2300 Harbor Road Owensboro, KY 42301
Date application received:	7/28/2008
SIC Code/SIC description:	4491, Cargo Handling Terminal
Source ID:	21-059-00147
Agency Interest:	945
Activity:	APE20080003
Permit:	F-08-031

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input type="checkbox"/> Permit modification	<input checked="" type="checkbox"/> Conditional major
__Administrative	<input type="checkbox"/> Title V
__Minor	<input type="checkbox"/> Synthetic minor
__Significant	<input type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input checked="" type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:001, 1(116)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☒ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☐ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Title V Potential (tpy)	Uncontrolled Potential (tpy)
PM/PM <sub>10</sub>	48.25 / 15.24	263.13 / 94.91
SO <sub>2</sub>	0.012	0.012
NO <sub>x</sub>	2.015	2.015
CO	1.69	1.69
VOC	<90	126.73
Single HAPs		
Methyl tertiary-Butyl Ether (MTBE)	<9	18.99
Toluene	<9	25.234
Xylene	<9	22.79
Hexane	<9	18.99
Benzene	0.08	6.2
Cumene	0.07	5.06
Ethylbenzene	0.07	5.06
Naphthalene	0.03	2.53
Styrene	0.02	1.26
Lead (Tetraethyl)	0.003	.25
Source wide HAPs	<22.5	106.49

### SOURCE DESCRIPTION:

Owensboro Riverport Authority currently operates a grain and coal barge loading facility under the authority of State Origin Permit # S-07-139 (Revision 1). On July 28, 2008, Owensboro Riverport Authority applied to the Division to add a leaded gasoline unloading operation at its facility located at 2300 Harbor Road in Owensboro, Kentucky. This source also purchased additional grain handling facilities at this location that were originally owned and operated by Owensboro Grain Company, Inc.

The leaded gasoline unloaded at this facility will range in octane rating from 110 to 118, and will be transferred directly from rail cars to tanker trucks. The maximum unloading rate for this operation will be one hundred forty (140) gallons per minute. Once the gasoline is transferred to the tanker trucks, it will be transported off-site. Leaded gasoline will not be stored at this facility. The source does not plan to apply any air pollution control devices (vapor balance system or vapor recovery unit) to the leaded gasoline unloading operation.

The grain handling operations that were purchased from Owensboro Grain Company, Inc. include a headhouse (internal elevator legs/conveyors), a column grain dryer, 3 outdoor storage bins, an on-ground storage pile, a truck receiving pit, and a rail/truck loadout.

### EMISSIONS AND OPERATING CAPS DESCRIPTIONS:

Owensboro Riverport Authority voluntarily proposed a one million (1,000,000) gallons per year (rolling twelve (12) month total) throughput limit for the leaded gasoline unloading operation to limit the sources potential to emit (PTE) for: volatile organic compounds (VOCs) below ninety (90) tons per year; individual hazardous air pollutants (HAPS): methyl tertiary-butyl ether (MTBE), toluene, xylene, and hexane below nine (9) tons per year, each; and combined hazardous air pollutants (HAPs) below twenty-two and one half (22.5) tons per year. Compliance with the permit limit will preclude applicability of State Regulation 401 KAR 52:020, Title V permits.

### OPERATIONAL FLEXIBILITY:

The source is restricted to a maximum leaded gasoline unloading throughput of one million (1,000,000) gallons per year.